

ECU
REMAPPING

CARS/TRUCKS/TRACTORS
MODULES

MOTORBIKES
MODULES

POWER BENCH
TESTERS



RAPID
BIKE

SMART

INSTALLATION AND USE

1. Minimum System Requirements

- Windows 10, 32 or 64-bit with 1GB of RAM.
- Screen resolution 1024 x 768 with 256 colours.
- Bluetooth 4.0 BLE.
- 200MB of free disk space.
- Active Internet connection.

2. Installation

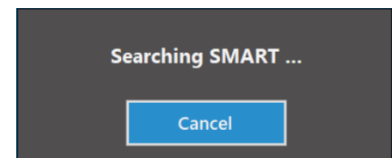
1. Download the installer from www.rapidbike.com.
2. Ensure no Rapid Bike devices (USB cable or USB license key) are plugged.
3. Run the installer.
4. Follow the wizard instructions.
5. Once done, Rapid Bike SMART software icon will be available on the desktop.



3. Connection with Rapid Bike SMART unit

PC and SMART unit connect through Bluetooth connection at a **maximum distance of 2 m (6 ft)**:

- 1) Turn ignition on.
- 2) Open Rapid Bike SMART software.
- 3) Software automatically scans and connects to SMART unit.



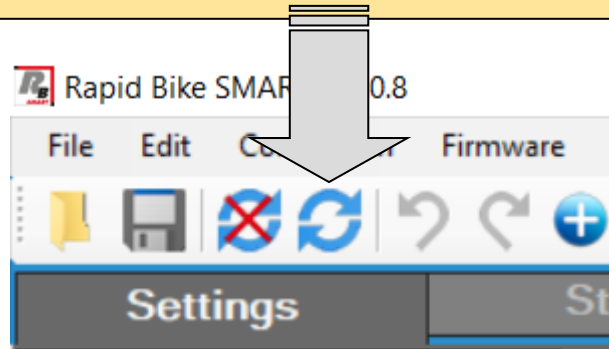
Rapid Bike SMART uses BLE (Bluetooth Low Energy) connection and does not require to be paired in advance with the OS.

Warning

Excessive distance between computer and SMART unit may cause connection loss or inability to establish a connection. Before attempting to re-connect, reduce the distance, then click button **“Connect”**.

Warning

Power supply may turn off about a minute after ignition has been turned off, causing disconnection with SMART unit. To establish again the connection, turn ignition on and press button “**Connect**”.



4. Main window “Settings”

SMART unit settings are loaded automatically once software is opened, showing the curve of values with which OEM Lambda signal is modified according to throttle opening.

Lambda signal modification values

Map O2 Sensor 1

Map O2 Sensor 2

ON-OFF button

ON

Apply

Throttle opening percentage

+ and – buttons to modify the curve of values

Button APPLY to store new changes in Rapid Bike SMART unit

Throttle opening percentage (%)	Lambda signal modification value
0%	-3
2%	5
5%	15
7%	28
10%	28
12%	24
15%	20
17%	16
20%	20
25%	20
30%	20
35%	20
40%	20
45%	15
50%	15
55%	14
60%	12
65%	9
70%	3
75%	-3
80%	-5
85%	-5
90%	-5
95%	-5
100%	-5

→ 1min

Engine on

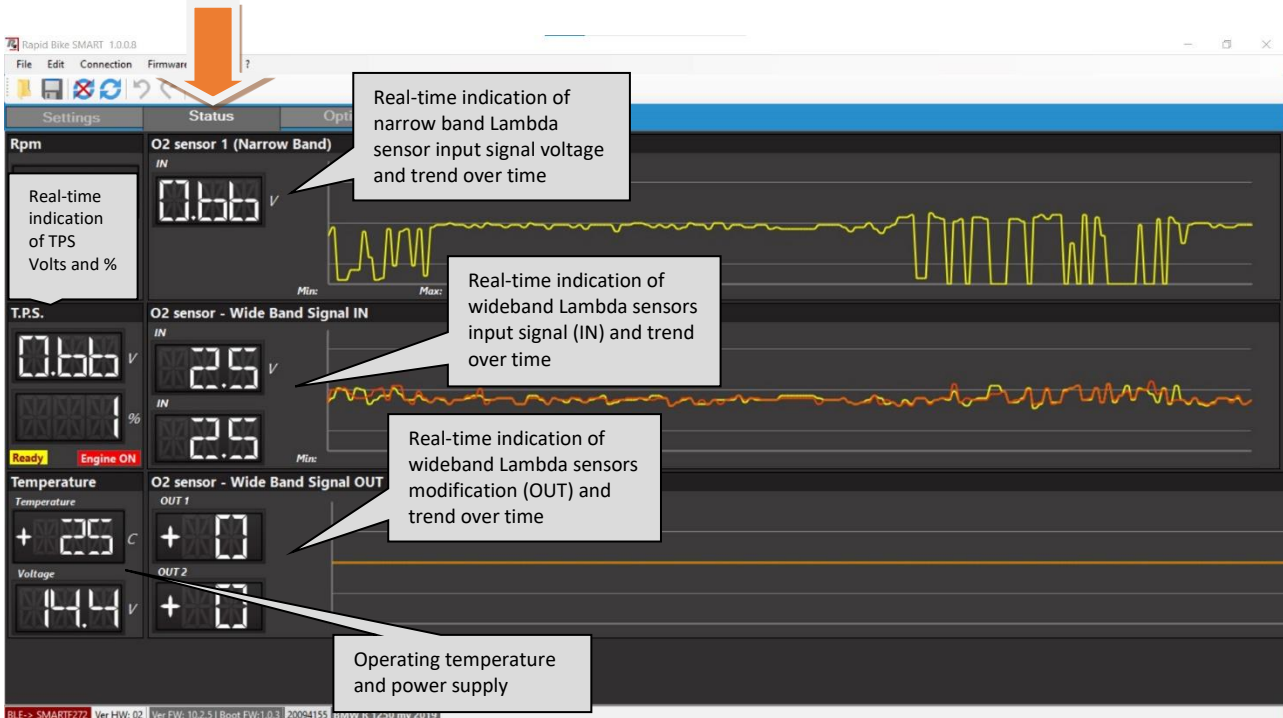
5. Settings modification – Test with SMART unit turned OFF

If you want to customize the settings, just click + or – on the knob as indicated. Furthermore, SMART unit can be turned off with a dedicated button:

Warning – Procedure to turn SMART unit ON – OFF without software

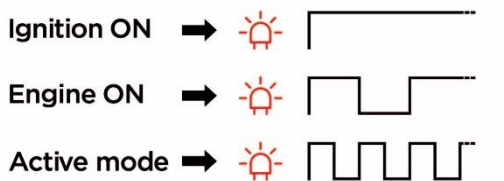
- 1) Turn ignition on
- 2) Open throttle completely 5 times within 10 seconds

6. Status section – Sensors control and system operating



7. LED status – SMART unit check-up – ON <-> OFF procedure

System status can be monitored also without the PC, using the red LED light present on the back of SMART unit:



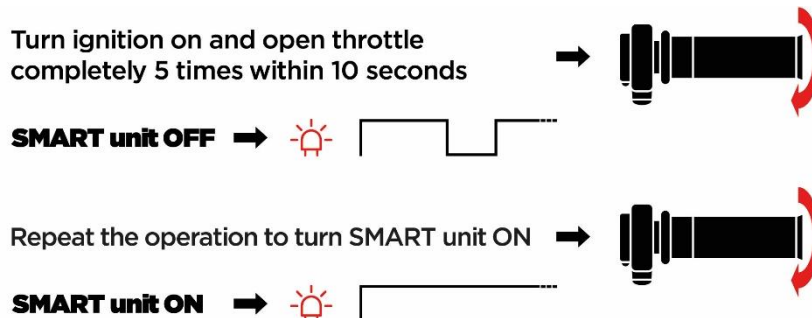
SMART unit ON

After turning ignition on, LED is on with fixed light.
Turning engine on, LED starts flashing slowly.
After about 1 minute, LED start flashing quickly.
When turned OFF, LED flashes slowly with both engine on and off. New status will be maintained also once ignition is switched off.

SMART unit is programmed to be ON by default.

The following procedure shows how to turn it OFF,

allowing the bike to run in stock configuration, and how to turn it ON again:





8. Services

Technical support:

- Phone number: **+39 0142 9552** – Monday to Friday from 09:00 am to 01:00 pm and from 02:00 pm to 06:00 pm UTC+1 (CET) – UTC+2 (CEST)
- e-mail: support.rapidbike@dimSPORT.it

Upgrades:

Rapid Bike software updates automatically with the application **Check DSupdate**, controlling the presence of new upgrades and advising with a pop-up message when they are available (Internet connection required).

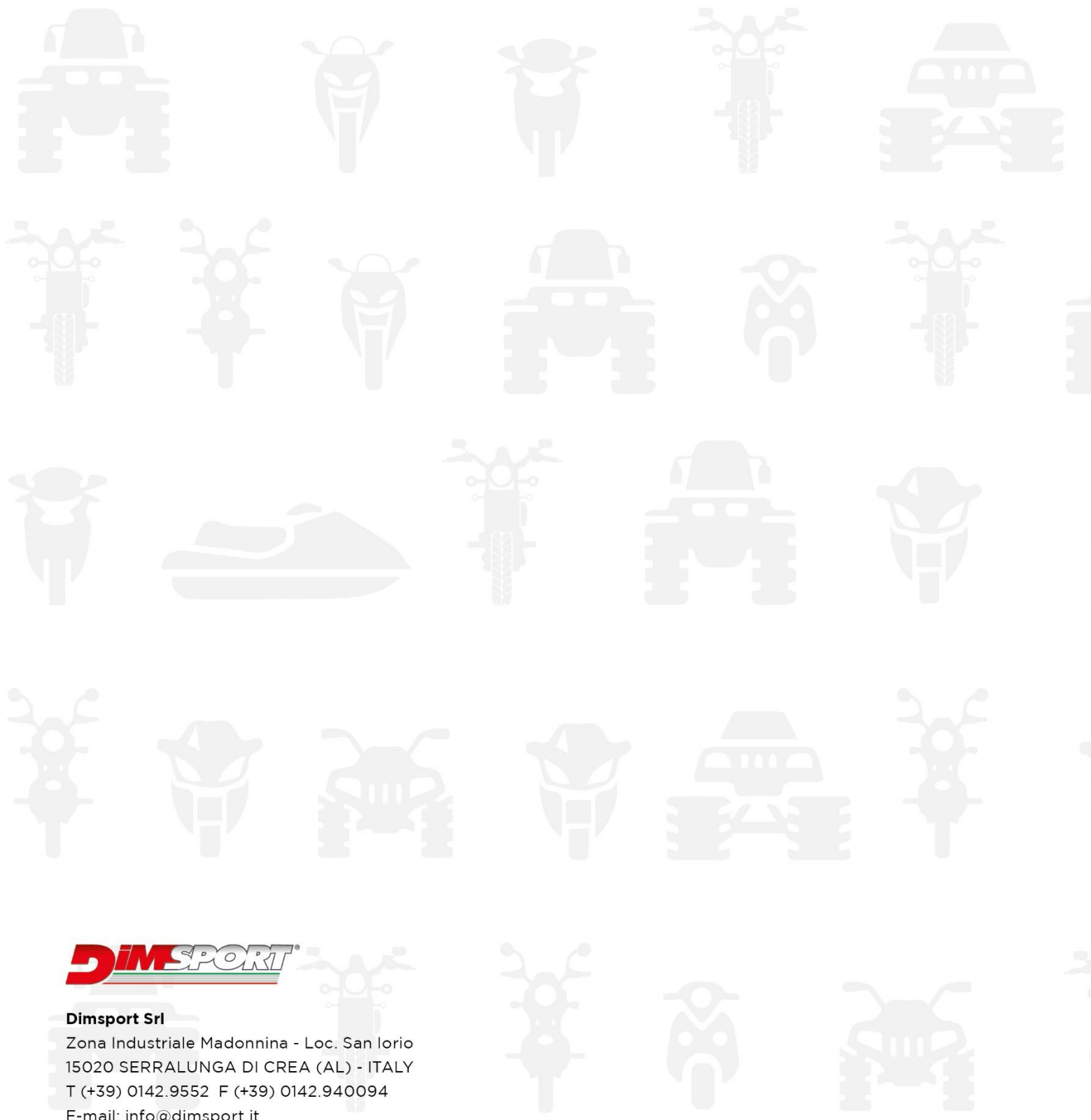
Website: www.rapidbike.com



Notes:

A series of horizontal dotted lines for taking notes.

www.dimSPORT.it



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